

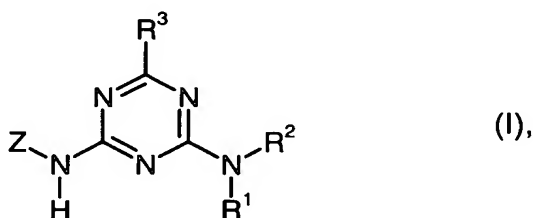
## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings, of claims in the application:

### **Listing of Claims:**

Please cancel Claim 10 and amend the claims as follows:

1. (Previously Amended) A substituted triazine compound of the Formula (I)



in which

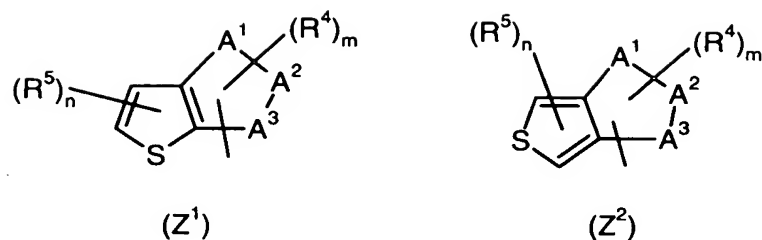
$R^1$  represents hydrogen or represents optionally substituted alkyl,

$R^2$  represents hydrogen, represents formyl or represents in each case optionally substituted alkyl, alkylcarbonyl, alkoxycarbonyl or alkylaminocarbonyl,

or the grouping  $N(R^1R^2)$  also represents dialkylaminoalkylideneamino,

$R^3$  represents hydrogen, represents halogen, represents optionally substituted alkyl, represents in each case optionally substituted alkylcarbonyl, alkoxycarbonyl, alkoxy, alkylthio, alkylsulphinyl or alkylsulphonyl, represents in each case optionally substituted alkenyl or alkynyl, or represents optionally substituted cycloalkyl, and

Z represents one of the thienocycloalk(en)yl groupings below



in which

$m$  represents the numbers 0, 1, 2, 3 or 4,

$n$  represents the numbers 0, 1 or 2,

$A^1$  represents O, S,  $-\text{CO}-$ ,  $-\text{CS}-$  or alkanediyl ,

$A^2$  represents O, S,  $-\text{CO}-$ ,  $-\text{CS}-$  or alkanediyl ,

$A^3$  represents O, S,  $-\text{CO}-$ ,  $-\text{CS}-$  or alkanediyl ,

- with the proviso that at least one of the groupings  $A^1$ ,  $A^2$ ,  $A^3$  represents alkanediyl and that two adjacent groups do not simultaneously represent S or O -

$R^4$  represents amino, cyano, carbamoyl, thiocarbamoyl, formyl, halogen, or represents in each case optionally substituted alkyl, alkylcarbonyl, alkoxy, alkoxycarbonyl, alkylthio, alkylsulphinyl, alkylsulphonyl, alkylamino, dialkylamino, alkylcarbonylamino, alkoxycarbonylamino, alkylsulphonylamino, alkenyl, alkynyl, alkenylcarbonyl, alkynylcarbonyl, aryl, arylcarbonyl or arylalkyl, and

R<sup>5</sup> represents nitro, amino, cyano, carbamoyl, thiocarbamoyl, formyl, halogen, or represents in each case optionally substituted alkyl, alkylcarbonyl, alkoxy, alkoxycarbonyl, alkylthio, alkylsulphinyl, alkylsulphonyl, alkylamino, dialkylamino, alkylcarbonylamino, alkoxycarbonylamino, alkylsulphonylamino, alkenyl, alkynyl, alkenylcarbonyl, alkynylcarbonyl, aryl, arylcarbonyl or arylalkyl.

2. (Previously Amended) The compound according to Claim 1, wherein

m represents the numbers 0, 1 or 2,

A<sup>1</sup> represents O, S, -CO-, -CS- or alkanediyl having 1 to 3 carbon atoms,

A<sup>2</sup> represents O, S, -CO-, -CS- or alkanediyl having 1 to 3 carbon atoms,

A<sup>3</sup> represents O, S, -CO-, -CS- or alkanediyl having 1 to 3 carbon atoms,

- with the proviso that at least one of the groupings A<sup>1</sup>, A<sup>2</sup>, A<sup>3</sup> represents alkanediyl having 1 to 3 carbon atoms and that two adjacent groups do not simultaneously represent S or O -

R<sup>1</sup> represents hydrogen or represents optionally cyano-, halogen- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted alkyl having 1 to 6 carbon atoms,

R<sup>2</sup> represents hydrogen, represents formyl or represents in each case optionally cyano-, halogen- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted alkyl, alkylcarbonyl, alkoxycarbonyl or alkylaminocarbonyl having in each case 1 to 6 carbon atoms in the alkyl groups, or

the grouping  $N(R^1R^2)$  represents dialkylaminoalkylideneamino having in each case up to 4 carbon atoms in the alkyl groups or alkylidene groups,

- $R^3$  represents hydrogen, represents halogen, represents optionally cyano-, halogen-, hydroxyl-,  $C_1$ - $C_4$ -alkoxy- or  $C_1$ - $C_4$ -alkylthio-substituted alkyl having 1 to 6 carbon atoms, represents in each case optionally cyano-, halogen- or  $C_1$ - $C_4$ -alkoxy-substituted alkylcarbonyl, alkoxycarbonyl, alkoxy, alkylthio, alkylsulphinyl or alkylsulphonyl having in each case 1 to 6 carbon atoms in the alkyl groups, represents in each case optionally halogen-substituted alkenyl or alkynyl having in each case 2 to 6 carbon atoms, or represents optionally cyano-, halogen- or  $C_1$ - $C_4$ -alkyl-substituted cycloalkyl having 3 to 6 carbon atoms,
- $R^4$  represents amino, cyano, carbamoyl, thiocarbamoyl, formyl, halogen, represents in each case optionally cyano-, halogen- or  $C_1$ - $C_4$ -alkoxy-substituted alkyl, alkylcarbonyl, alkoxy, alkoxycarbonyl, alkylthio, alkylsulphinyl, alkylsulphonyl, alkylamino, dialkylamino, alkylcarbonylamino, alkoxycarbonylamino or alkylsulphonylamino having in each case 1 to 6 carbon atoms in the alkyl groups, represents in each case optionally cyano- or halogen-substituted alkenyl, alkynyl, alkenylcarbonyl or alkynylcarbonyl having in each case 2 to 6 carbon atoms in the alkenyl or alkynyl groups, or represents in each case optionally nitro-, cyano-, halogen-,  $C_1$ - $C_4$ -alkyl-,  $C_1$ - $C_4$ -halogenoalkyl-,  $C_1$ - $C_4$ -alkoxy-,  $C_1$ - $C_4$ -halogenoalkoxy- or  $C_1$ - $C_4$ -alkoxy-carbonyl-substituted aryl, arylcarbonyl or arylalkyl having in each case 6 or 10 carbon atoms in the aryl group and optionally 1 to 4 carbon atoms in the alkyl moiety, and

R<sup>5</sup> represents nitro, amino, cyano, carbamoyl, thiocarbamoyl, formyl, halogen, represents in each case optionally cyano-, halogen- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted alkyl, alkylcarbonyl, alkoxy, alkoxycarbonyl, alkylthio, alkylsulphinyl, alkylsulphonyl, alkylamino, dialkylamino, alkylcarbonylamino, alkoxycarbonylamino or alkylsulphonylamino having in each case 1 to 6 carbon atoms in the alkyl groups, represents in each case optionally cyano- or halogen-substituted alkenyl, alkynyl, alkenylcarbonyl or alkynylcarbonyl having in each case 2 to 6 carbon atoms in the alkenyl or alkynyl groups, or represents in each case optionally nitro-, cyano-, halogen-, C<sub>1</sub>-C<sub>4</sub>-alkyl-, C<sub>1</sub>-C<sub>4</sub>-halogenoalkyl-, C<sub>1</sub>-C<sub>4</sub>-alkoxy-, C<sub>1</sub>-C<sub>4</sub>-halogenoalkoxy- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl substituted aryl, arylcarbonyl or arylalkyl having in each case 6 or 10 carbon atoms in the aryl group and optionally 1 to 4 carbon atoms in the alkyl moiety.

3. (Previously Amended) The compound according to Claim 1 wherein

A<sup>1</sup> represents O, S, -CO-, -CS-, methylene, dimethylene or trimethylene,

A<sup>2</sup> represents O, S, -CO-, -CS-, methylene, dimethylene or trimethylene,

A<sup>3</sup> represents O, S, -CO-, -CS-, methylene, dimethylene or trimethylene,

- with the proviso that at least one of the groupings A<sup>1</sup>, A<sup>2</sup>, A<sup>3</sup> represents methylene, dimethylene or trimethylene and that two adjacent groups do not simultaneously represent S or O -

R<sup>1</sup> represents hydrogen or represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl,

R<sup>2</sup> represents hydrogen, represents formyl or represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, acetyl, propionyl, n- or i-butyroyl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methylamino-carbonyl, ethylaminocarbonyl, n- or i-propylaminocarbonyl, or

the grouping N(R<sup>1</sup>R<sup>2</sup>) represents dimethylaminomethyleneamino or diethylaminomethyleneamino,

R<sup>3</sup> represents hydrogen, represents fluorine, chlorine, bromine, represents in each case optionally cyano-, fluorine-, chlorine-, bromine-, hydroxyl-, methoxy-, ethoxy-, n- or i-propoxy-, methylthio-, ethylthio-, n- or i-propylthio-substituted methyl, ethyl, n- or i-propyl, n-, i- or s-butyl, represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy- substituted acetyl, propionyl, n- or i-butyroyl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methoxy, ethoxy, n- or i-propoxy, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, n- or i-propylsulphinyl, methylsulphonyl, ethylsulphonyl, n- or i-propylsulphonyl, represents in each case optionally fluorine-, chlorine- or bromine-substituted ethenyl, propenyl, butenyl, ethinyl, propinyl or butinyl, or represents in each case optionally cyano-, fluorine-, chlorine-, methyl- or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl,

R<sup>4</sup> represents amino, cyano, carbamoyl, thiocarbamoyl, formyl, fluorine, chlorine, bromine, represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl,

acetyl, propionyl, n- or i-butyroyl, methoxy, ethoxy, n- or i-propoxy, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, n- or i-propylsulphinyl, methylsulphonyl, ethylsulphonyl, n- or i-propylsulphonyl, , methylamino, ethylamino, n- or i-propylamino, dimethylamino, diethylamino, acetylamino, propionylamino, n- or i-butyroylamino, methoxycarbonylamino, ethoxycarbonylamino, n- or i-propoxycarbonylamino, methylsulphonylamino, ethylsulphonylamino, n- or i-propylsulphonylamino, represents in each case optionally cyano-, fluorine-, chlorine- or bromine-substituted ethenyl, propenyl, butenyl, ethinyl, propinyl, butinyl, ethenylcarbonyl, propenylcarbonyl, butenylcarbonyl, ethinylcarbonyl, propinylcarbonyl or butinylcarbonyl, or represents in each case optionally nitro-, cyano-, fluorine-, chlorine-, bromine-, methyl-, ethyl-, n- or i-propyl-, n-, i-, s- or t-butyl-, trifluoromethyl-, methoxy-, ethoxy-, n- or i-propoxy-, difluoromethoxy-, trifluoromethoxy-, methoxycarbonyl-, ethoxycarbonyl-, n- or i-propoxycarbonyl-substituted phenyl, benzoyl or benzyl, and

R<sup>5</sup> represents nitro, amino, cyano, carbamoyl, thiocarbamoyl, formyl, fluorine, chlorine, bromine, represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, acetyl, propionyl, n- or i-butyroyl, methoxy, ethoxy, n- or i-propoxy, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, n- or i-propylsulphinyl, methylsulphonyl, ethylsulphonyl, n- or i-propylsulphonyl, methylamino, ethylamino, n- or i-propylamino, dimethylamino, diethylamino, acetylamino, propionylamino, n- or i-butyroylamino, methoxycarbonylamino, ethoxycarbonylamino, n- or i-propoxycarbonylamino, methylsulphonylamino, ethylsulphonylamino, n- or i-propylsulphonylamino, represents in each case optionally cyano-, fluorine-, chlorine- or bromine-substituted ethenyl, propenyl, butenyl,

ethinyl, propinyl, butinyl, ethenylcarbonyl, propenylcarbonyl, butenylcarbonyl, ethinylcarbonyl, propinylcarbonyl or butinylcarbonyl, or represents in each case optionally nitro-, cyano-, fluorine-, chlorine-, bromine-, methyl-, ethyl-, n- or i-propyl-, n-, i-, s- or t-butyl-, trifluoromethyl-, methoxy-, ethoxy-, n- or i-propoxy-, difluoromethoxy-, trifluoromethoxy-, methoxycarbonyl-, ethoxycarbonyl-, n- or i-propoxycarbonyl-substituted phenyl, benzoyl or benzyl.

4. (Previously Amended) The compound according to Claim 1 wherein

A<sup>1</sup> represents methylene or dimethylene,

A<sup>2</sup> represents methylene or dimethylene,

A<sup>3</sup> represents methylene or dimethylene,

R<sup>1</sup> represents hydrogen,

R<sup>2</sup> represents hydrogen, represents formyl or represents in each case optionally fluorine-, chlorine-, methoxy- or ethoxy-substituted acetyl, propionyl, n- or i-butyryl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, or

the grouping N(R<sup>1</sup>R<sup>2</sup>) represents dimethylaminomethyleneamino,

R<sup>3</sup> represents in each case optionally fluorine- or chlorine-substituted methyl, ethyl, n- or i-propyl,

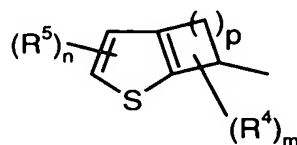
R<sup>4</sup> represents cyano, fluorine, chlorine, bromine, or represents in each case optionally fluorine- or chlorine-substituted methyl, ethyl, methoxy or ethoxy, and



$R^5$  represents nitro, cyano, fluorine, chlorine, bromine, or represents in each case optionally fluorine- or chlorine-substituted methyl, ethyl, methoxy or ethoxy.

5. (Previously Amended) The compound according to Claim 1 wherein

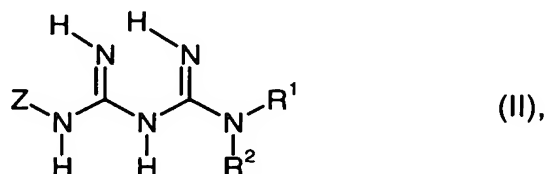
Z represents



where

p represents 2, 3 or 4, and n, m,  $R^4$  and  $R^5$  are as defined in Claim 1 .

6. (Previously Amended) A process for preparing the substituted triazine according to the Formula (I) of Claim 1 wherein biguanides of the Formula (II)



in which

$R^1$ ,  $R^2$  and Z are as defined in Claim 1 ,

and/or acid adducts of compounds of the Formula (II)

are reacted with alkoxycarbonyl compounds of the Formula (III)



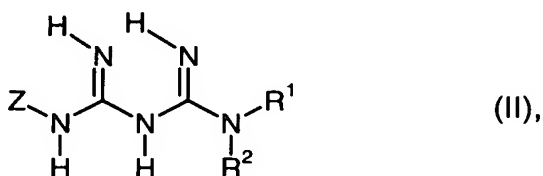
in which

$R^3$  is as defined in Claim 1 and

$R'$  represents alkyl,

optionally in the presence of a reaction auxiliary and optionally in the presence of a diluent.

7. (Previously Amended) A compound of the Formula (II)



and acid adducts thereof, wherein

$R^1$ ,  $R^2$  and Z are as defined in Claim 1.

8. (Currently Amended) A process for preparing the compound of the Formula (II) according to Claim 7, wherein an amino compound of the Formula (IV)

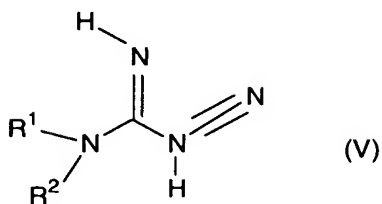
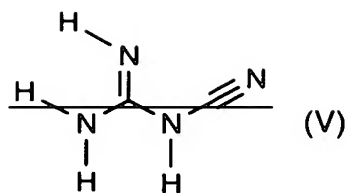


in which

Z is as defined in Claim 1 ,

and/or acid adducts of said compound of the Formula (IV)

are reacted with a cyanoguanidine of the Formula (V)



optionally in the presence of a reaction auxiliary and optionally in the presence of a diluent at temperatures between 100°C and 200°C.

9. (Previously Amended) A method for controlling undesirable vegetation, comprising the step of allowing an effective amount of the compound according to Claim 1 to act on said undesirable vegetation and/or its habitat.

10. (Cancelled)

11. (Previously Amended) An herbicidal composition comprising a compound according to Claim 1 and a member selected from the group consisting of an extender, a surfactant, and combinations thereof.